

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: MIYAUCHI et al
Application No.: 10/695,939
Filed: October 30, 2003
For: FUNCTIONING SUBSTRATE WITH A GROUND OF
COLUMNAR MICRO PILLARS AND ITS MANUFACTURING
METHOD
Group: 2879
Examiner: TBD



INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97 & 1.98

Mail Stop Amendment
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

February 14, 2005

Sir:

Pursuant to Applicants' duty of disclosure, enclosed please find copies of documents to be considered by the Examiner during prosecution of the above-identified application. Also enclosed is a Form PTO/SB/08A, listing the enclosed documents.

It is to be noted that the enclosed documents were discovered during searches in connection with the above-identified application.

This Information Disclosure Statement is being submitted prior to a first Office Action on the merits in the above-identified application. Accordingly, requirements of 37 CFR § 1.97(b) are clearly satisfied.

To the extent that the enclosed documents are not in English, it is respectfully submitted that requirements of 37 CFR § 1.98(a)(3) are satisfied by English language Abstracts of the respective documents and/or by an English translation of

Japanese Patent Document No. 2002-292600.

In view of the foregoing, it is respectfully submitted that all applicable requirements of 37 CFR § 1.97 and § 1.98 have been satisfied, in connection with each of the documents listed on the enclosed Form. Accordingly, consideration of the listed documents, as well as consideration of the documents submitted with the Information Disclosure Statement filed August 10, 2004, upon examination of the above-identified application, is respectfully requested.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to the Deposit Account No. 01-2135 (Case No. 520.43241X00), and please credit any excess fees to such Deposit Account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

A handwritten signature in black ink, appearing to read "William I. Solomon", with a long horizontal flourish extending to the right.

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/695,939
		Filing Date	10/30/2003
		First Named Inventor	A. Miyauchi, et al.
		Art Unit	2879
		Examiner Name	TBD
Sheet 1 of 1	Attorney Docket Number	520.43241X00	

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 6,720,469	4/13/2004	Curtis, et al.	
		US- 5,011,494	4/30/1991	Von Recum, et al.	
		US-2002/0081726	6/27/2002	Russell, et al.	
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		JP 2002-292600	10/8/2002	Mitsui Chemicals, Inc.		X
		JP 09-117277	5/6/1997	Becton Dickinson & Co.		X
		JP 06-074935	3/18/1994	Fujitsu, Ltd.		X

NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Tan, et al., "Cells lying on a bed of microneedles: An approach to isolate mechanical force", PNAS February 18, 2003, Vol. 100, No. 4, pages 1484-1489	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing the this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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